



ANDREWS
ENGINEERING, INC.

October 1, 2010

Illinois Environmental Protection Agency
Reporting and Financial Assurance Unit
Bureau of Land – #33
P.O. Box 19276
Springfield, Illinois 62794-9276

US EPA RECORDS CENTER REGION 5



468920

Re: 2018080001 – Winnebago County
Winnebago Reclamation Service
Second Quarter 2010 Confirmed Increases

Dear Correspondent:

In accordance with the applicable conditions of the permit, a groundwater monitoring review has been conducted on the second quarter 2010 monitoring results. Parameters indicating “confirmed increases” from the Southern and Northern Units are listed in Tables 1 and 2, respectively.

The sample results from each unit well network have been reviewed pursuant to Condition VIII.13 of Permit No. 1991-138-LF, Modification No. 42. Confirmed increases will be addressed in accordance with Condition VIII.15 of the above referenced permit.

If you have any questions or require further information, please contact Mr. Tom Hilbert at (815) 963-7516. Thank you.

Sincerely,

Teresa N. Sharp
Environmental Scientist

TNS:tns:lkj

Enclosures

cc: Tom Hilbert – Winnebago Reclamation
Bernie Shorle – US EPA Region 5

Table 1
Winnebago Landfill - South Unit
Second Quarter 2010 Confirmed Exceedences

Parameter	Units	2ndQtr10	2ndQtr10re	AGQS	Notes
G22D - Upgradient					
# Chloride, Dissolved	mg/l	430	240	200	
R22S - Upgradient					
# Chloride, Dissolved	mg/l	840	870	200	
# Chromium, dissolved	ug/L	20	36	19	
Total Dissolved Solids, filtered	mg/l	2400	2400	1310	
R28D					
Arsenic, Dissolved	ug/l	4.3	5.6	3.80	

Note:

indicates exceedence is currently being addressing in either pending Application Log No. 2010-152 or 2010-373.

Table 2
Winnebago Landfill - North Unit
Second Quarter 2010 Confirmed Exceedences

Parameter	Units	2ndQtr10	2ndQtr10re	AGQS	Notes
G09D - Upgradient					
# 1,2-Dichlorobenzene	ug/l	2		5	Exceeds Preceeding (below AGQS)
# Benzene	ug/l	1.9		2.8	Exceeds Preceeding (below AGQS)
# Chlorobenzene	ug/l	8.8		5	
G13D - Upgradient					
# Acetone	ug/l	13		10	
# Chlorobenzene	ug/l	1.7		5	Exceeds Preceeding (below AGQS)
Chromium, dissolved	ug/L	72	70	12	
# Phenolics	ug/l	49		100	Exceeds Preceeding (below AGQS)
# Sulfate, Dissolved	mg/l	270	360	119.5	
Total Dissolved Solids, filtered	mg/l	4200	3700	1755.8	
G13S - Upgradient					
# Benzene	ug/l	1.6		2.8	Exceeds Preceeding (below AGQS)
# Chlorobenzene	ug/l	5.9		5	
G20D - Upgradient					
# 1,1,1-Trichloroethane	ug/l	1.2		12	Exceeds Preceeding (below AGQS)
# cis-1,2-Dichloroethene	ug/l	10		5	
# Tetrachloroethene	ug/l	1.2		26	Exceeds Preceeding (below AGQS)
# Trichloroethene	ug/l	3		66	Exceeds Preceeding (below AGQS)
G03M					
# Tetrachloroethene	ug/l	1.4		26	Exceeds Preceeding (below AGQS)
G41S					
# cis-1,2-Dichloroethene	ug/l	1.2		5	Exceeds Preceeding (below AGQS)
G51S					
# 1,1-Dichloroethane	ug/l	1.3		31	Exceeds Preceeding (below AGQS)
* Arsenic, Dissolved	ug/l	3.2	6.4	2	
# Benzene	ug/l	1.1		2.8	Exceeds Preceeding (below AGQS)
# Chlorobenzene	ug/l	1.1		5	Exceeds Preceeding (below AGQS)
R39S					
# Phenolics	ug/l	16		100	Exceeds Preceeding (below AGQS)
G52S					
# Phenolics	ug/l	17		100	Exceeds Preceeding (below AGQS)

* indicates parameter is evaluated annually as part of the Groundwater Management Zone Investigation

indicates exceedence is currently being addressing in either pending Application Log No. 2010-152 or 2010-373.



**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
SOLID WASTE REPORTING FORM**

This form must be used as a cover for the following list of notices and reports required by the Illinois EPA's Bureau of Land, Permit Section. All reports must be submitted to the Illinois EPA's Bureau of Land Permit Section. This form must be used for Solid Waste facilities only. Reporting for Hazardous Waste facilities should be submitted on a separate Hazardous Waste Reporting Form. All reports submitted to the Illinois EPA's Bureau of Land Permit Section must contain an original, plus a minimum of two copies.

Note: This form may NOT be used for any request to modify the permit, sampling or operating procedures. Modification requests must be submitted separately in the form of a permit application.

This form is not to be used with permit applications. Your permit will state whether the document you are submitting is required as a report or an application.

Facility Name: Site ID#:

Check one of the following, identifying the contents of your submittal:

- | | |
|---|---|
| <input type="checkbox"/> LPC-160 Forms | |
| <input type="checkbox"/> Quarterly Groundwater Data | <input type="checkbox"/> Semi-Annual Groundwater Data |
| <input type="checkbox"/> Quarterly Leachate Data | <input type="checkbox"/> Semi-Annual Leachate Data |
| <input type="checkbox"/> Annual Groundwater Data | <input type="checkbox"/> Biennial Groundwater Data |
| <input type="checkbox"/> Annual Leachate Data | <input type="checkbox"/> Biennial Leachate Data |
| <input type="checkbox"/> Annual Groundwater Flow Evaluation | <input type="checkbox"/> Well Survey Data |
| <input type="checkbox"/> Well Construction Forms and Boring Logs | <input type="checkbox"/> Well Abandonment Forms |
| <input type="checkbox"/> Notice of Observed Increase in Groundwater
Notice of Intent to Perform Confirmation Procedures (Re-sampling) in Groundwater | |
| <input checked="" type="checkbox"/> Notice of Confirmed Increase of Groundwater Exceedence from Re-sample | |
| <input type="checkbox"/> Notice of Methane Exceedences | |
| <input type="checkbox"/> Annual Facility Report (per 35 Ill. Adm. Code 813.504) and Gas Monitoring Report | |
| <input type="checkbox"/> Annual Certifications per 35 Ill. Adm. Code 813.501 | |
| <input type="checkbox"/> Other (identify): Not to be used for Permit Applications | |